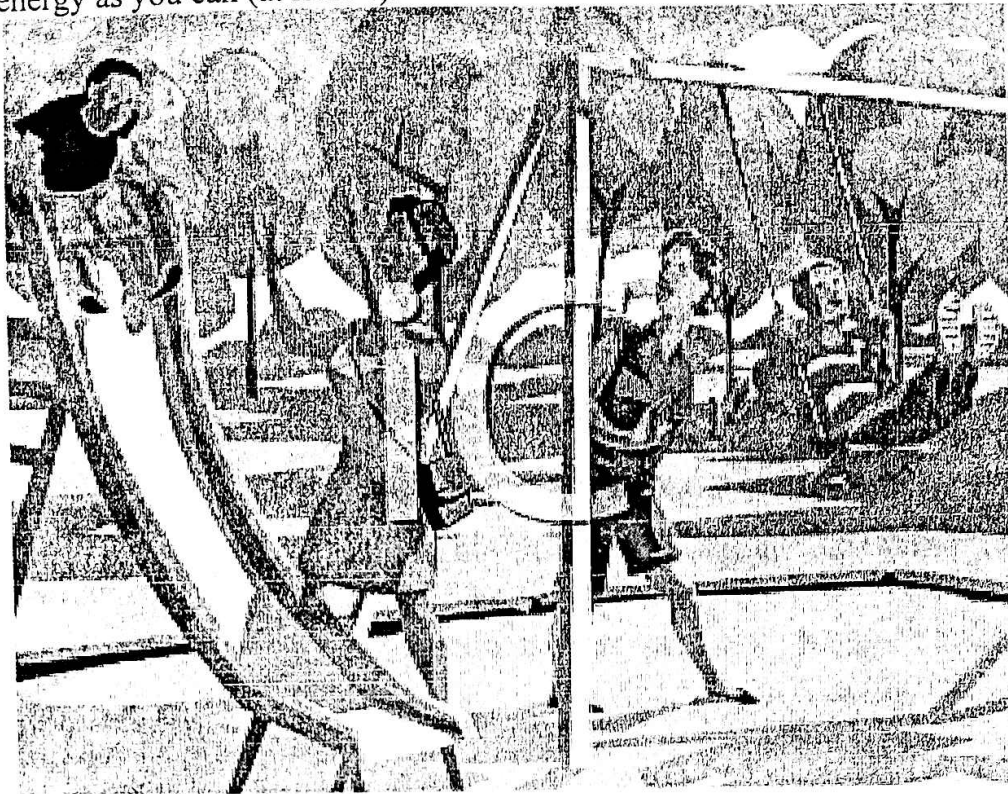


1. What are the 4 Main types of energy and what is one key description of each?
2. What is the main way energy is carried?
3. What is the Law of Conservation of Energy?
4. What is a Medium?
 - a. Give a real life example in our everyday world.
 - b. What effect does a medium have on the speed of a wave?
 - c. What effect does a medium have on the energy of a wave?

Identify any and all types of energies being seen and/or in action in the following situations (will be more than one in most instances):

5. A musician plucking a guitar string.
6. A football player making a tackle.
7. A little kid holding his ice-cream cone in their hand on a hot day.
8. A lady lying in the sun getting a suntan.

9. Look at the whole picture below; identify as many uses/ proof of the transfer of energy as you can (at least 4).



- A.
- B.
- C.
- D.

WAVES:

10. What are the two main categories of waves?

- a. Which requires a medium?

11. What is the resting/ equilibrium position for a wave (describe and draw)?

12. What is a Longitudinal Wave (describe and draw)?

13. What is a transverse wave (describe and draw)?